

Material: ASTM A217 Grade CA15

Standard Specification for Steel Castings, Martensitic Stainless and Alloy, for Pressure-Containing Parts, Suitable for High-Temperature Service

Group: Ferrous Stainless Steel Alloys

Sub Group: ASTM A217 / A217M Steel Castings, Martensitic Stainless and Alloy, for Pressure-Containing Parts, Suitable for High-Temperature Service

Application: Intended for Valve, Pump, General Engineering, Automotive and Other Industries Grade

Belongs to the Industry: Casting

Chemical Composition		
Carbon	C %	0.150 max.
Silicon	Si %	1.500 max.
Manganese	Mn %	1.000 max.
Phosphorus	P %	0.040 max.
Sulphur	S %	0.025 max.
Chromium	Cr %	11.500 - 14.000
Nickel	Ni %	1.000 max.
Molybdenum	Mo %	0.500 max.
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment	
Normalizing or Annealing or Hardening + Tempering	

Mechanical Properties	
Tensile Strength in Mpa	620 - 795
Yield Strength in Mpa	450 min.
Elongation in %	18 min.
Reduction of Area in %	30 min.
Hardness in BHN	-
Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
J91150	UNS	USA	Casting
A487 CA 15	EN	European Union	Casting
5351	AMS	USA	Casting
410	AISI	USA	Bar, Wire, Shape and Forging
410 C 21	BS	British	Casting
15Ch13L	GOST	Russia	Casting
385 G X 12 Cr 13	SFS	Finland	Casting

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